



## **Inpatient Quality Indicator 30 (IQI 30) Percutaneous Coronary Intervention (PCI) Mortality Rate**

**July 2021**

**Hospital-Level Indicator**

**Type of Score: Rate**

### **Prepared by:**

Agency for Healthcare Research and Quality

U.S. Department of Health and Human Services

[www.qualityindicators.ahrq.gov](http://www.qualityindicators.ahrq.gov)

### **DESCRIPTION**

In-hospital deaths per 1,000 discharges with a procedure for percutaneous coronary intervention (PCI), for patients ages 40 years and older. Excludes transfers to another hospital, and obstetric discharges.

*[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report in-hospital deaths per 1,000 hospital discharges.]*

### **NUMERATOR**

Number of deaths (DISP=20) among cases meeting the inclusion and exclusion rules for the denominator.

### **DENOMINATOR**

Discharges, for patients ages 40 years and older, with any listed ICD-10-PCS procedure code for PCI (**PRPTCAP**<sup>\*</sup>).

### **DENOMINATOR EXCLUSIONS**

Exclude cases:

- transferring to another short-term hospital (DISP=2)
- MDC 14 (pregnancy, childbirth, and puerperium)
- MDC 15 (newborns and other neonates with conditions originating in perinatal period)
- with an ungroupable DRG (DRG=999)
- with missing discharge disposition (DISP=missing), gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

\* See below for code list

***Percutaneous coronary intervention (PCI) procedure codes: (PRPTCAP)***

0270346	Dilation of coronary artery, one artery, bifurcation, with drug-eluting intraluminal device, percutaneous approach	0272346	Dilation of coronary artery, three arteries, bifurcation, with drug-eluting intraluminal device, percutaneous approach
027034Z	Dilation of coronary artery, one artery with drug-eluting intraluminal device, percutaneous approach	027234Z	Dilation of coronary artery, three arteries with drug-eluting intraluminal device, percutaneous approach
0270356	Dilation of coronary artery, one artery, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach	0272356	Dilation of coronary artery, three arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach
027035Z	Dilation of coronary artery, one artery with two drug-eluting intraluminal devices, percutaneous approach	027235Z	Dilation of coronary artery, three arteries with two drug-eluting intraluminal devices, percutaneous approach
0270366	Dilation of coronary artery, one artery, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach	0272366	Dilation of coronary artery, three arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach
027036Z	Dilation of coronary artery, one artery with three drug-eluting intraluminal devices, percutaneous approach	027236Z	Dilation of coronary artery, three arteries with three drug-eluting intraluminal devices, percutaneous approach
0270376	Dilation of coronary artery, one artery, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach	0272376	Dilation of coronary artery, three arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach
027037Z	Dilation of coronary artery, one artery with four or more drug-eluting intraluminal devices, percutaneous approach	027237Z	Dilation of coronary artery, three arteries with four or more drug-eluting intraluminal devices, percutaneous approach
02703D6	Dilation of coronary artery, one artery, bifurcation, with intraluminal device, percutaneous approach	02723D6	Dilation of coronary artery, three arteries, bifurcation, with intraluminal device, percutaneous approach
02703DZ	Dilation of coronary artery, one artery with intraluminal device, percutaneous approach	02723DZ	Dilation of coronary artery, three arteries with intraluminal device, percutaneous approach
02703E6	Dilation of coronary artery, one artery, bifurcation, with two intraluminal devices, percutaneous approach	02723E6	Dilation of coronary artery, three arteries, bifurcation, with two intraluminal devices, percutaneous approach
02703EZ	Dilation of coronary artery, one artery with two intraluminal devices, percutaneous approach	02723EZ	Dilation of coronary artery, three arteries with two intraluminal devices, percutaneous approach
02703F6	Dilation of coronary artery, one artery, bifurcation, with three intraluminal devices, percutaneous approach	02723F6	Dilation of coronary artery, three arteries, bifurcation, with three intraluminal devices, percutaneous approach
02703FZ	Dilation of coronary artery, one artery with three intraluminal devices, percutaneous approach	02723FZ	Dilation of coronary artery, three arteries with three intraluminal devices, percutaneous approach
02703G6	Dilation of coronary artery, one artery, bifurcation, with four or more intraluminal devices, percutaneous approach	02723G6	Dilation of coronary artery, three arteries, bifurcation, with four or more intraluminal devices, percutaneous approach
02703GZ	Dilation of coronary artery, one artery with four or more intraluminal devices, percutaneous approach	02723GZ	Dilation of coronary artery, three arteries with four or more intraluminal devices, percutaneous approach

02703Z6	Dilation of coronary artery, one artery, bifurcation, percutaneous approach	02723Z6	Dilation of coronary artery, three arteries, bifurcation, percutaneous approach
02703ZZ	Dilation of coronary artery, one artery, percutaneous approach	02723ZZ	Dilation of coronary artery, three arteries, percutaneous approach
0270446	Dilation of coronary artery, one artery, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach	0272446	Dilation of coronary artery, three arteries, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach
027044Z	Dilation of coronary artery, one artery with drug-eluting intraluminal device, percutaneous endoscopic approach	027244Z	Dilation of coronary artery, three arteries with drug-eluting intraluminal device, percutaneous endoscopic approach
0270456	Dilation of coronary artery, one artery, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach	0272456	Dilation of coronary artery, three arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach
027045Z	Dilation of coronary artery, one artery with two drug-eluting intraluminal devices, percutaneous endoscopic approach	027245Z	Dilation of coronary artery, three arteries with two drug-eluting intraluminal devices, percutaneous endoscopic approach
0270466	Dilation of coronary artery, one artery, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach	0272466	Dilation of coronary artery, three arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach
027046Z	Dilation of coronary artery, one artery with three drug-eluting intraluminal devices, percutaneous endoscopic approach	027246Z	Dilation of coronary artery, three arteries with three drug-eluting intraluminal devices, percutaneous endoscopic approach
0270476	Dilation of coronary artery, one artery, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	0272476	Dilation of coronary artery, three arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach
027047Z	Dilation of coronary artery, one artery with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	027247Z	Dilation of coronary artery, three arteries with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach
02704D6	Dilation of coronary artery, one artery, bifurcation, with intraluminal device, percutaneous endoscopic approach	02724D6	Dilation of coronary artery, three arteries, bifurcation, with intraluminal device, percutaneous endoscopic approach
02704DZ	Dilation of coronary artery, one artery with intraluminal device, percutaneous endoscopic approach	02724DZ	Dilation of coronary artery, three arteries with intraluminal device, percutaneous endoscopic approach
02704E6	Dilation of coronary artery, one artery, bifurcation, with two intraluminal devices, percutaneous endoscopic approach	02724E6	Dilation of coronary artery, three arteries, bifurcation, with two intraluminal devices, percutaneous endoscopic approach
02704EZ	Dilation of coronary artery, one artery with two intraluminal devices, percutaneous endoscopic approach	02724EZ	Dilation of coronary artery, three arteries with two intraluminal devices, percutaneous endoscopic approach
02704F6	Dilation of coronary artery, one artery, bifurcation, with three intraluminal devices, percutaneous endoscopic approach	02724F6	Dilation of coronary artery, three arteries, bifurcation, with three intraluminal devices, percutaneous endoscopic approach
02704FZ	Dilation of coronary artery, one artery with three intraluminal devices, percutaneous endoscopic approach	02724FZ	Dilation of coronary artery, three arteries with three intraluminal devices, percutaneous endoscopic approach
02704G6	Dilation of coronary artery, one artery, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach	02724G6	Dilation of coronary artery, three arteries, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach

02704GZ	Dilation of coronary artery, one artery with four or more intraluminal devices, percutaneous endoscopic approach	02724GZ	Dilation of coronary artery, three arteries with four or more intraluminal devices, percutaneous endoscopic approach
02704Z6	Dilation of coronary artery, one artery, bifurcation, percutaneous endoscopic approach	02724Z6	Dilation of coronary artery, three arteries, bifurcation, percutaneous endoscopic approach
02704ZZ	Dilation of coronary artery, one artery, percutaneous endoscopic approach	02724ZZ	Dilation of coronary artery, three arteries, percutaneous endoscopic approach
0271346	Dilation of coronary artery, two arteries, bifurcation, with drug-eluting intraluminal device, percutaneous approach	0273346	Dilation of coronary artery, four or more arteries, bifurcation, with drug-eluting intraluminal device, percutaneous approach
027134Z	Dilation of coronary artery, two arteries with drug-eluting intraluminal device, percutaneous approach	027334Z	Dilation of coronary artery, four or more arteries with drug-eluting intraluminal device, percutaneous approach
0271356	Dilation of coronary artery, two arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach	0273356	Dilation of coronary artery, four or more arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous approach
027135Z	Dilation of coronary artery, two arteries with two drug-eluting intraluminal devices, percutaneous approach	027335Z	Dilation of coronary artery, four or more arteries with two drug-eluting intraluminal devices, percutaneous approach
0271366	Dilation of coronary artery, two arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach	0273366	Dilation of coronary artery, four or more arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous approach
027136Z	Dilation of coronary artery, two arteries with three drug-eluting intraluminal devices, percutaneous approach	027336Z	Dilation of coronary artery, four or more arteries with three drug-eluting intraluminal devices, percutaneous approach
0271376	Dilation of coronary artery, two arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach	0273376	Dilation of coronary artery, four or more arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous approach
027137Z	Dilation of coronary artery, two arteries with four or more drug-eluting intraluminal devices, percutaneous approach	027337Z	Dilation of coronary artery, four or more arteries with four or more drug-eluting intraluminal devices, percutaneous approach
02713D6	Dilation of coronary artery, two arteries, bifurcation, with intraluminal device, percutaneous approach	02733D6	Dilation of coronary artery, four or more arteries, bifurcation, with intraluminal device, percutaneous approach
02713DZ	Dilation of coronary artery, two arteries with intraluminal device, percutaneous approach	02733DZ	Dilation of coronary artery, four or more arteries with intraluminal device, percutaneous approach
02713E6	Dilation of coronary artery, two arteries, bifurcation, with two intraluminal devices, percutaneous approach	02733E6	Dilation of coronary artery, four or more arteries, bifurcation, with two intraluminal devices, percutaneous approach
02713EZ	Dilation of coronary artery, two arteries with two intraluminal devices, percutaneous approach	02733EZ	Dilation of coronary artery, four or more arteries with two intraluminal devices, percutaneous approach
02713F6	Dilation of coronary artery, two arteries, bifurcation, with three intraluminal devices, percutaneous approach	02733F6	Dilation of coronary artery, four or more arteries, bifurcation, with three intraluminal devices, percutaneous approach

02713FZ	Dilation of coronary artery, two arteries with three intraluminal devices, percutaneous approach	02733FZ	Dilation of coronary artery, four or more arteries with three intraluminal devices, percutaneous approach
02713G6	Dilation of coronary artery, two arteries, bifurcation, with four or more intraluminal devices, percutaneous approach	02733G6	Dilation of coronary artery, four or more arteries, bifurcation, with four or more intraluminal devices, percutaneous approach
02713GZ	Dilation of coronary artery, two arteries with four or more intraluminal devices, percutaneous approach	02733GZ	Dilation of coronary artery, four or more arteries with four or more intraluminal devices, percutaneous approach
02713Z6	Dilation of coronary artery, two arteries, bifurcation, percutaneous approach	02733Z6	Dilation of coronary artery, four or more arteries, bifurcation, percutaneous approach
02713ZZ	Dilation of coronary artery, two arteries, percutaneous approach	02733ZZ	Dilation of coronary artery, four or more arteries, percutaneous approach
0271446	Dilation of coronary artery, two arteries, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach	0273446	Dilation of coronary artery, four or more arteries, bifurcation, with drug-eluting intraluminal device, percutaneous endoscopic approach
027144Z	Dilation of coronary artery, two arteries with drug-eluting intraluminal device, percutaneous endoscopic approach	027344Z	Dilation of coronary artery, four or more arteries with drug-eluting intraluminal device, percutaneous endoscopic approach
0271456	Dilation of coronary artery, two arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach	0273456	Dilation of coronary artery, four or more arteries, bifurcation, with two drug-eluting intraluminal devices, percutaneous endoscopic approach
027145Z	Dilation of coronary artery, two arteries with two drug-eluting intraluminal devices, percutaneous endoscopic approach	027345Z	Dilation of coronary artery, four or more arteries with two drug-eluting intraluminal devices, percutaneous endoscopic approach
0271466	Dilation of coronary artery, two arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach	0273466	Dilation of coronary artery, four or more arteries, bifurcation, with three drug-eluting intraluminal devices, percutaneous endoscopic approach
027146Z	Dilation of coronary artery, two arteries with three drug-eluting intraluminal devices, percutaneous endoscopic approach	027346Z	Dilation of coronary artery, four or more arteries with three drug-eluting intraluminal devices, percutaneous endoscopic approach
0271476	Dilation of coronary artery, two arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	0273476	Dilation of coronary artery, four or more arteries, bifurcation, with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach
027147Z	Dilation of coronary artery, two arteries with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach	027347Z	Dilation of coronary artery, four or more arteries with four or more drug-eluting intraluminal devices, percutaneous endoscopic approach
02714D6	Dilation of coronary artery, two arteries, bifurcation, with intraluminal device, percutaneous endoscopic approach	02734D6	Dilation of coronary artery, four or more arteries, bifurcation, with intraluminal device, percutaneous endoscopic approach
02714DZ	Dilation of coronary artery, two arteries with intraluminal device, percutaneous endoscopic approach	02734DZ	Dilation of coronary artery, four or more arteries with intraluminal device, percutaneous endoscopic approach
02714E6	Dilation of coronary artery, two arteries, bifurcation, with two intraluminal devices, percutaneous endoscopic approach	02734E6	Dilation of coronary artery, four or more arteries, bifurcation, with two intraluminal devices, percutaneous endoscopic approach

02714EZ	Dilation of coronary artery, two arteries with two intraluminal devices, percutaneous endoscopic approach	02734EZ	Dilation of coronary artery, four or more arteries with two intraluminal devices, percutaneous endoscopic approach
02714F6	Dilation of coronary artery, two arteries, bifurcation, with three intraluminal devices, percutaneous endoscopic approach	02734F6	Dilation of coronary artery, four or more arteries, bifurcation, with three intraluminal devices, percutaneous endoscopic approach
02714FZ	Dilation of coronary artery, two arteries with three intraluminal devices, percutaneous endoscopic approach	02734FZ	Dilation of coronary artery, four or more arteries with three intraluminal devices, percutaneous endoscopic approach
02714G6	Dilation of coronary artery, two arteries, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach	02734G6	Dilation of coronary artery, four or more arteries, bifurcation, with four or more intraluminal devices, percutaneous endoscopic approach
02714GZ	Dilation of coronary artery, two arteries with four or more intraluminal devices, percutaneous endoscopic approach	02734GZ	Dilation of coronary artery, four or more arteries with four or more intraluminal devices, percutaneous endoscopic approach
02714Z6	Dilation of coronary artery, two arteries, bifurcation, percutaneous endoscopic approach	02734Z6	Dilation of coronary artery, four or more arteries, bifurcation, percutaneous endoscopic approach
02714ZZ	Dilation of coronary artery, two arteries, percutaneous endoscopic approach	02734ZZ	Dilation of coronary artery, four or more arteries, percutaneous endoscopic approach